

Name: _____ Date: _____ Period: _____

Operations with Integers Quiz

Simplify. (4 points)	
$-5 - 4(3 + 2)$	$-(36 \div 2^2)^2 - 48 \div (-4)^2$

Evaluate. (6 points)		
$c = 2 \quad d = -4$	$p = -3 \quad q = -2$	$a = -2 \quad b = 2$
$-cd^2 + cd$	$4p^2 + 7q^3$	$\frac{4a + b}{b} + b^2$

Simplify. (4 points)	
$-5\left(\begin{bmatrix} 0 & -2 & 5 \end{bmatrix} + \begin{bmatrix} 2 & 0 & 2 \end{bmatrix}\right)$	$\begin{bmatrix} 5 & 3 \\ 5 & 1 \end{bmatrix} - \begin{bmatrix} -6 & 0 \\ 1 & -4 \end{bmatrix} - \begin{bmatrix} 5 & 4 \\ -2 & -6 \end{bmatrix}$

Choose two words to define. (2 points)

additive inverse

matrix

element

multiplicative
inverse

reciprocal

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Draw a line to match each example with the correct word. (4 points)

multiplicative inverse

$$n + (-n) = 0$$

additive inverse

$$\begin{bmatrix} -3 & 5 \\ -2 & 1 \end{bmatrix}$$

matrix

$$\frac{a}{b} \text{ is } \frac{b}{a}$$

reciprocal

$$\begin{bmatrix} -3 & 5 \\ -2 & 1 \end{bmatrix}$$

element

$$\frac{1}{3} \cdot \frac{3}{1} = 1$$

